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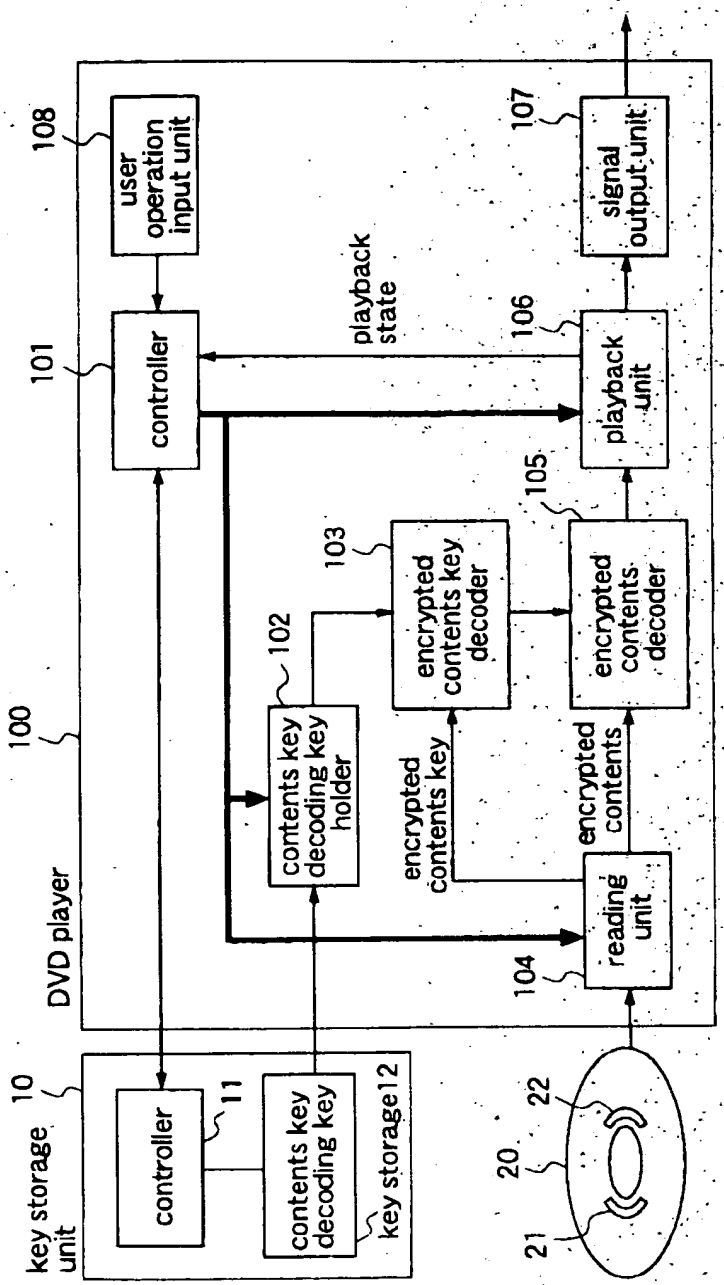
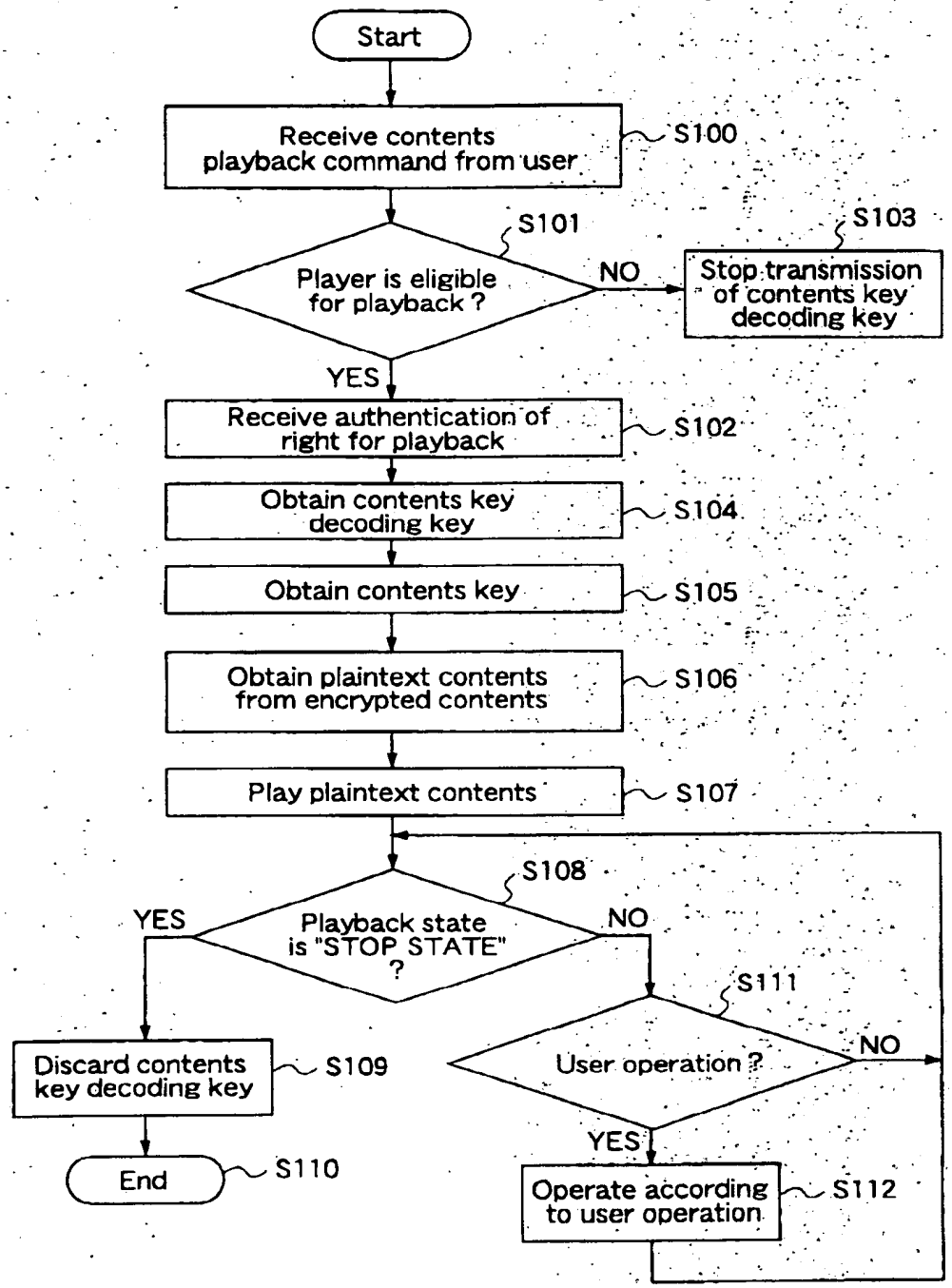


Fig.1

Fig.2



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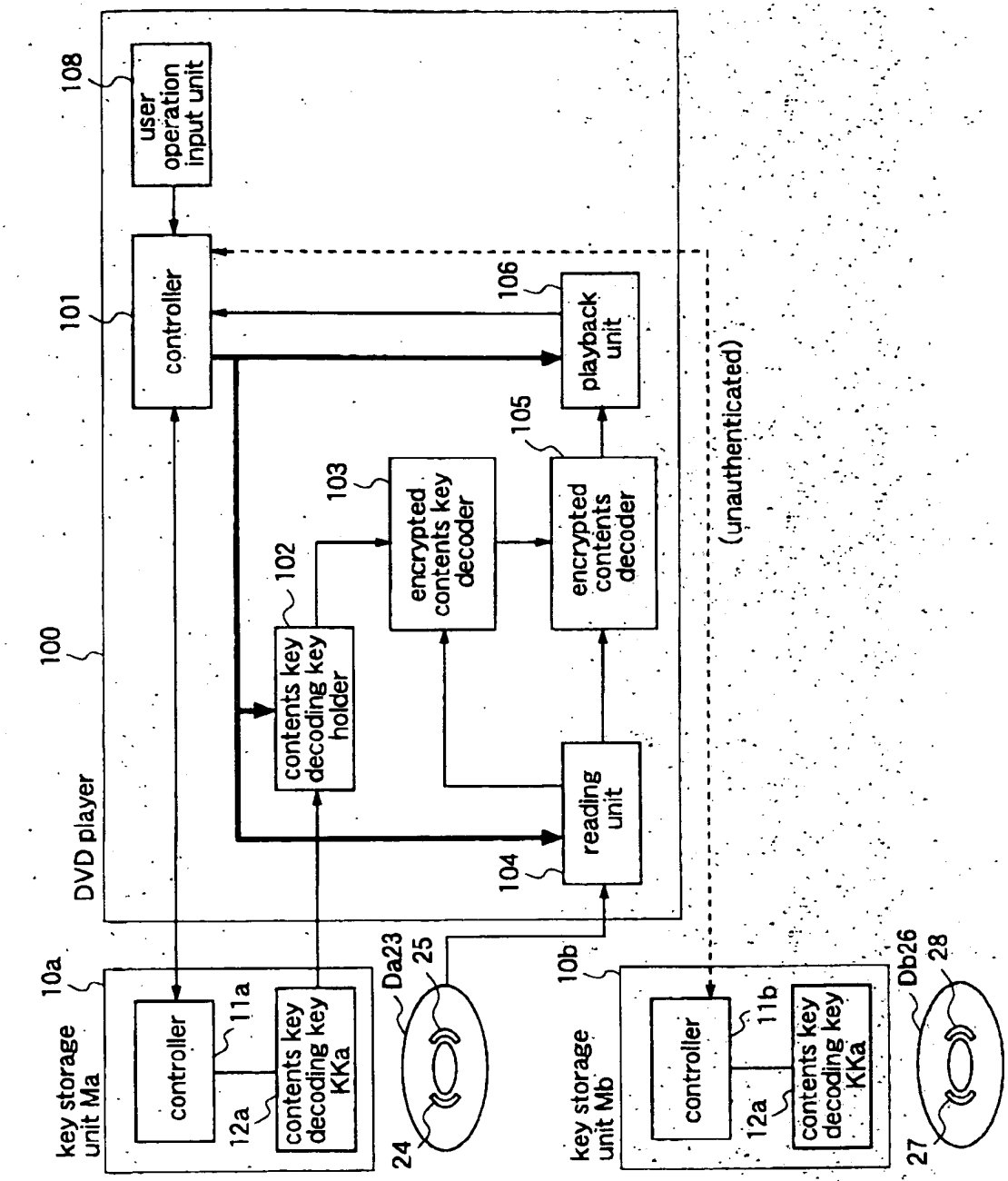

DVD player
100
user operation input unit
108
controller
101
playback unit
106
encrypted contents key decoder
103
encrypted contents decoder
105
contents key decoding key holder
102
reading unit
104
(unauthenticated)
key storage unit Ma
10a
controller
11a
contents key decoding key KKa
12a
Da23
25
24
key storage unit Mb
10b
controller
11b
contents key decoding key KKa
12a
Db26
28
27

Fig.3

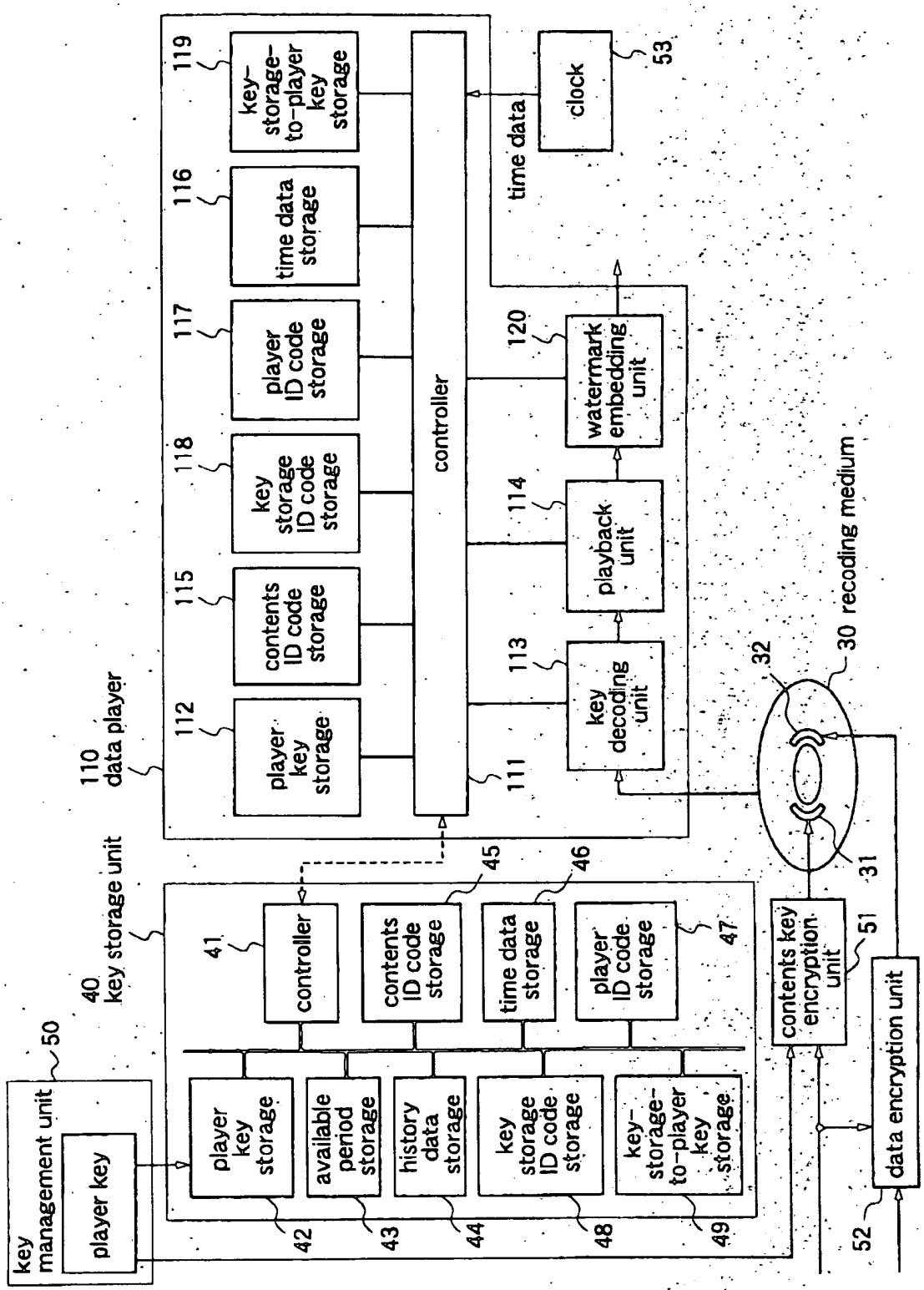
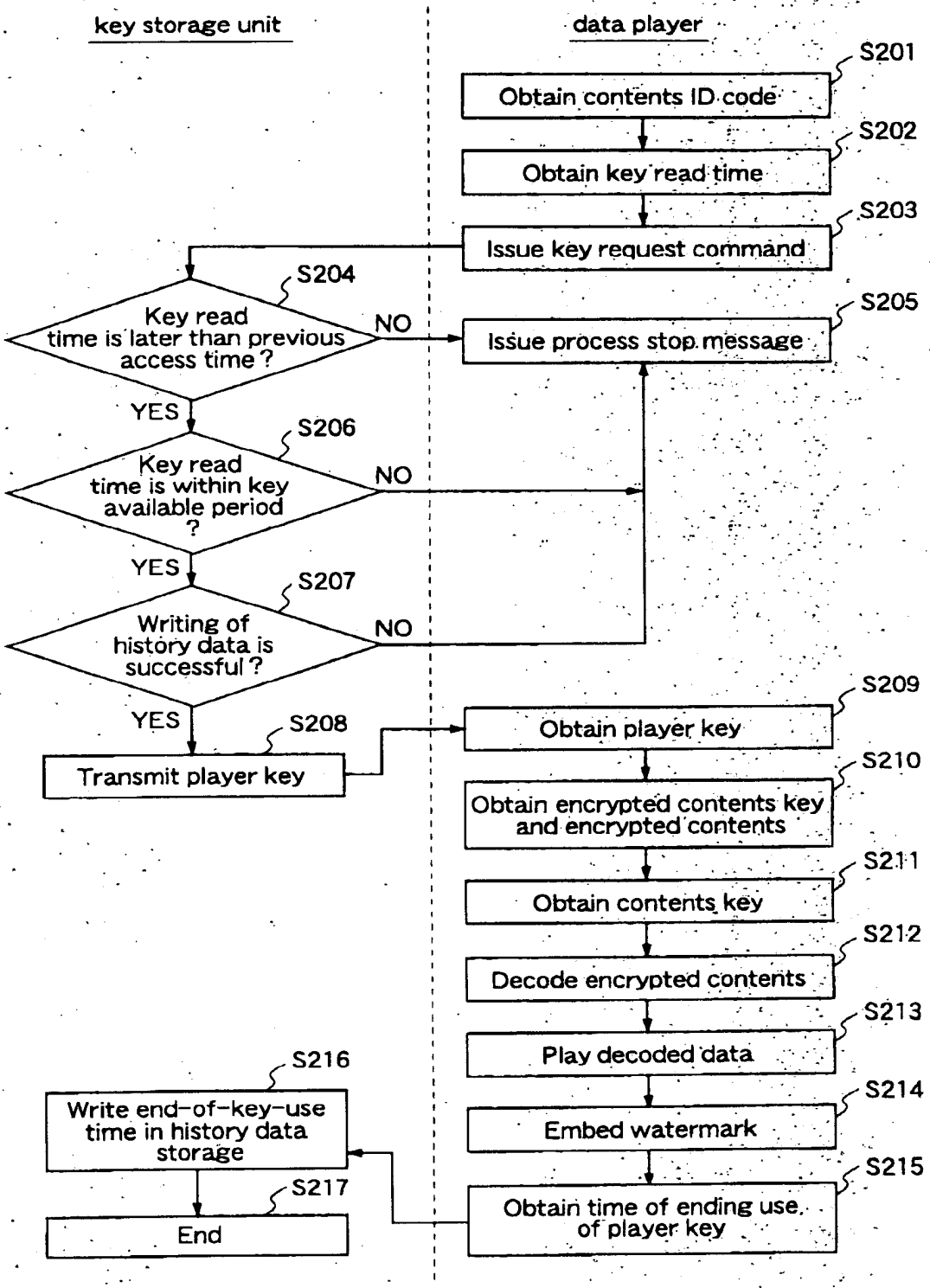

key management unit
player key
50
key storage unit
40
player key storage
available period storage
history data storage
key storage ID code storage
key-storage-to-player key storage
42
43
44
48
49
41
controller
contents ID code storage
time data storage
player ID code storage
45
46
47
data player
110
player key storage
contents ID code storage
key storage ID code storage
player ID code storage
time data storage
key-storage-to-player key storage
112
115
118
117
116
119
111
controller
113
key decoding unit
114
playback unit
120
watermark embedding unit
time data
clock
53
32
30 recoding medium
31
contents key encryption unit
51
data encryption unit
52

Fig.4

Fig.5



0054038-000800

00870"E870h960

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Fig.6

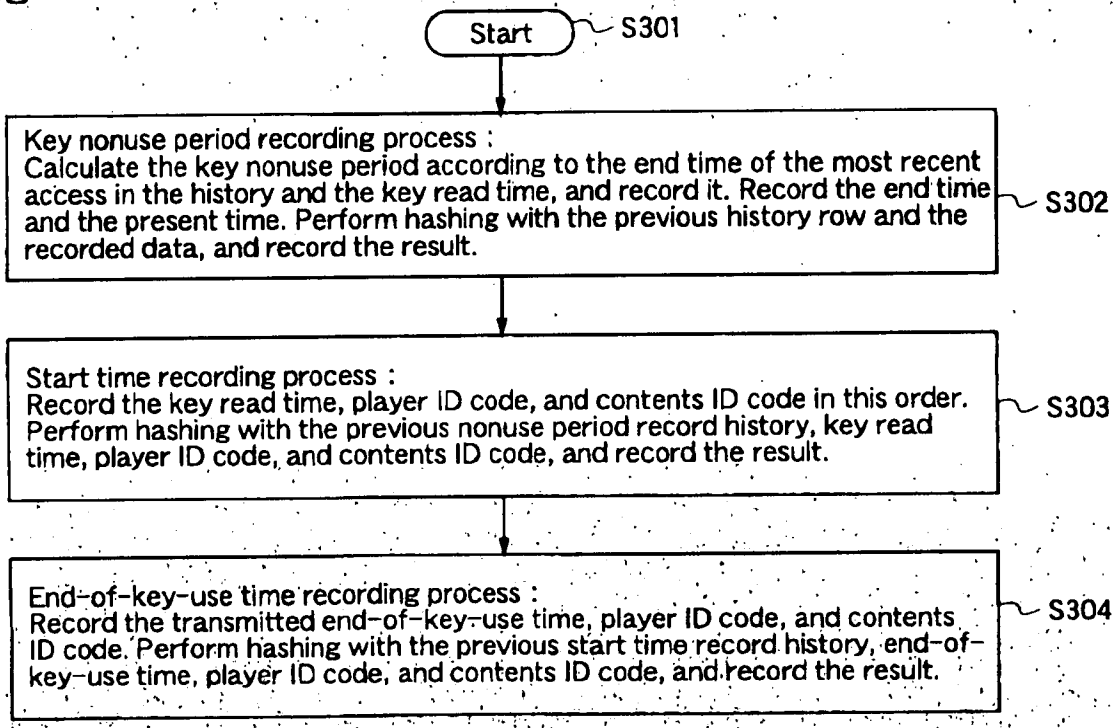
key available time			hash value 1
key nonuse period	key available time	start time 1	hash value 2
start time 1	player ID code 1	contents ID code 1	hash value 3
end time 1	player ID code 1	contents ID code 1	hash value 4
key nonuse period	end time 1	start time 2	hash value 5
start time 2	player ID code 2	contents ID code 2	hash value 6
end time 2	player ID code 2	contents ID code 2	hash value 7

RECEIVED TIMEAUG. 17. 12:00AM

RECEIVED TIMEAUG. 17. 12:00AM

FROM 早稲田特許事務所 2000年 8月17日(木) 14:06/着信14:04/文書番号3803823807 P 8

Fig.7



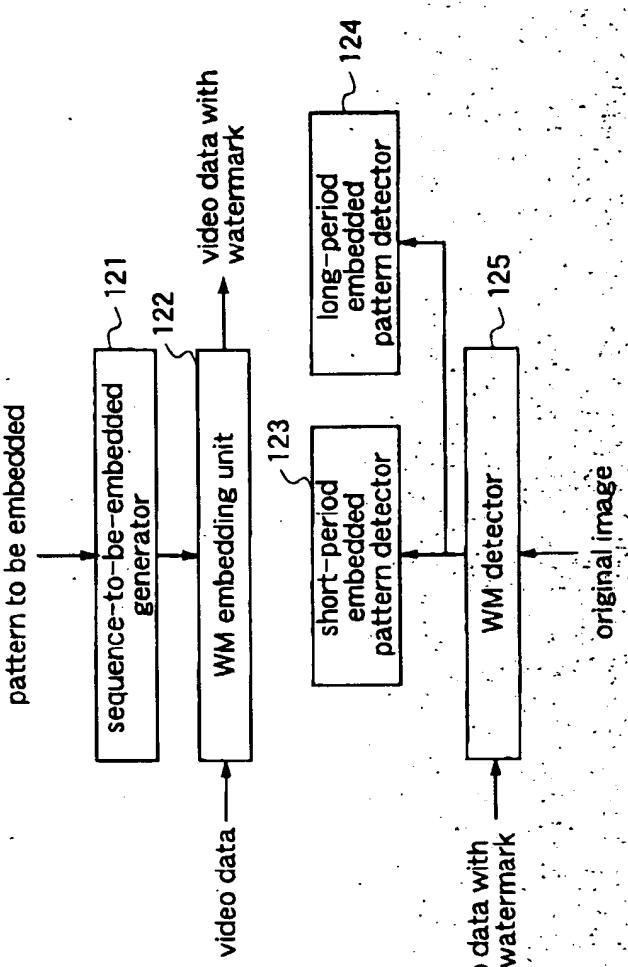
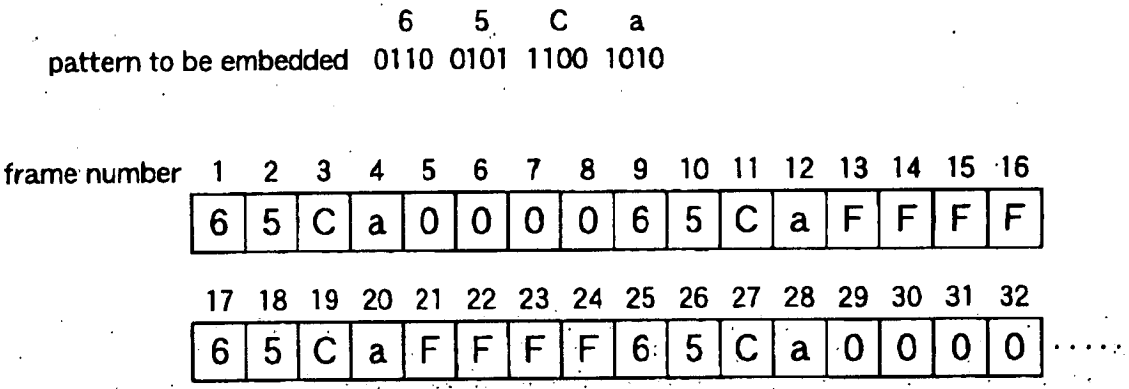


Fig.8

0098"80/0360

00870" E820h960

Fig.9



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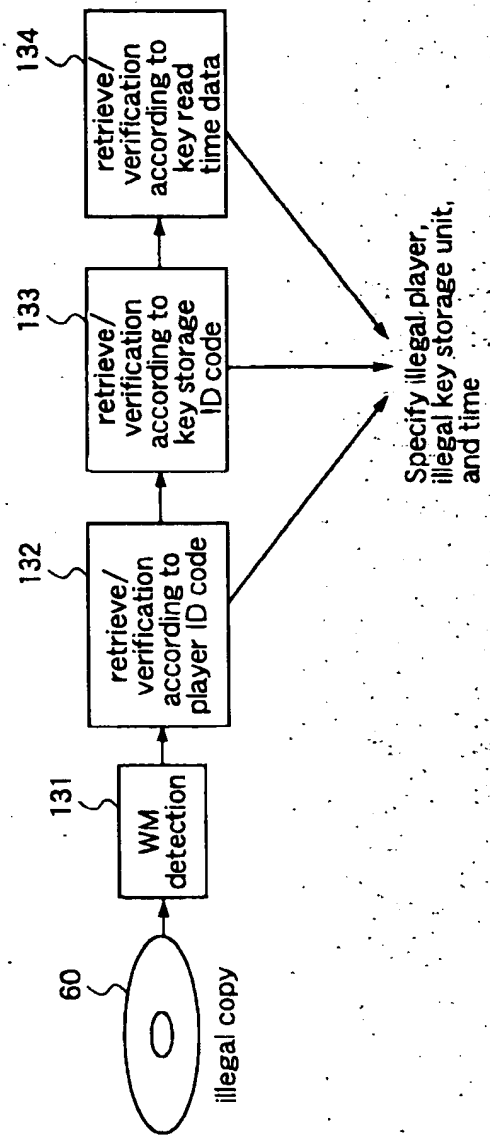

Fig.10

0098"03/04/960

Fig.11

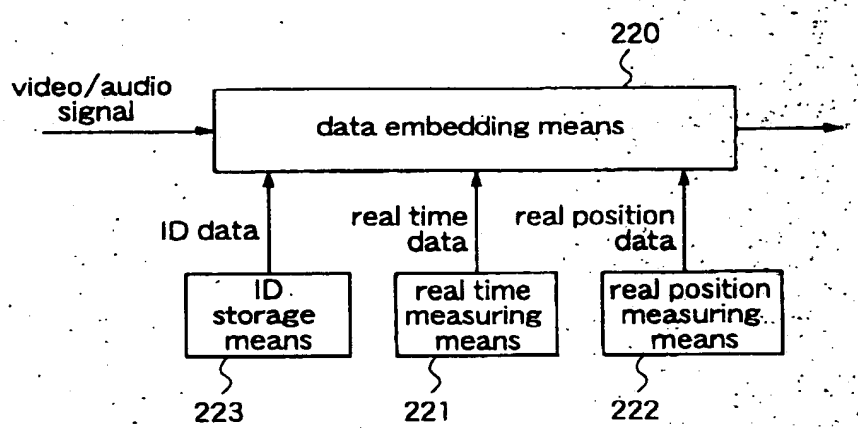

Fig.12

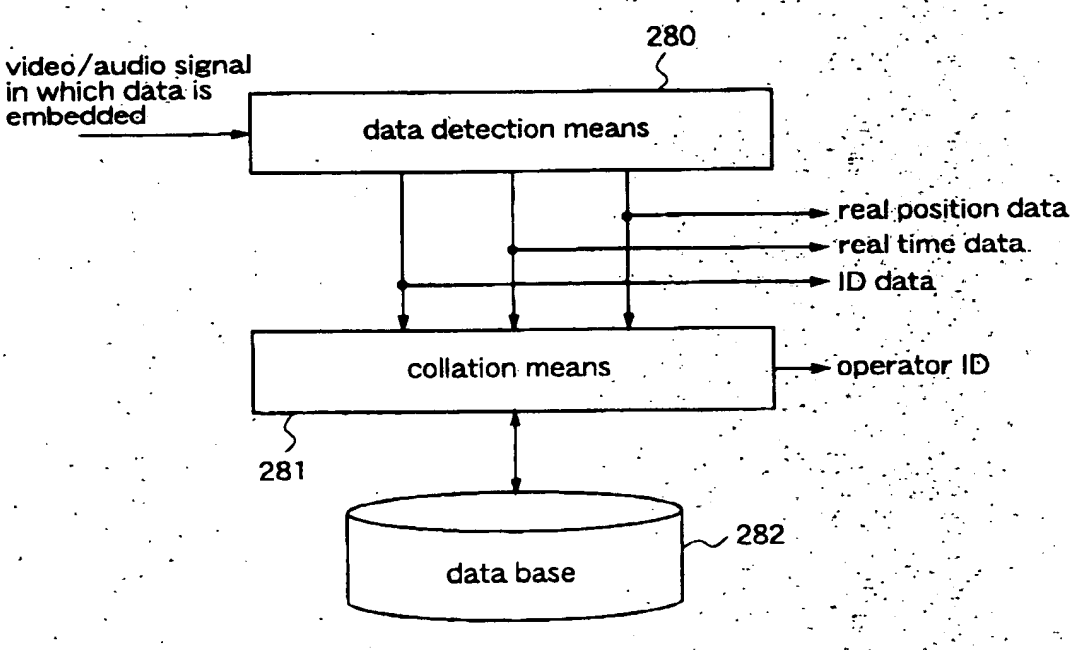

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Fig.13

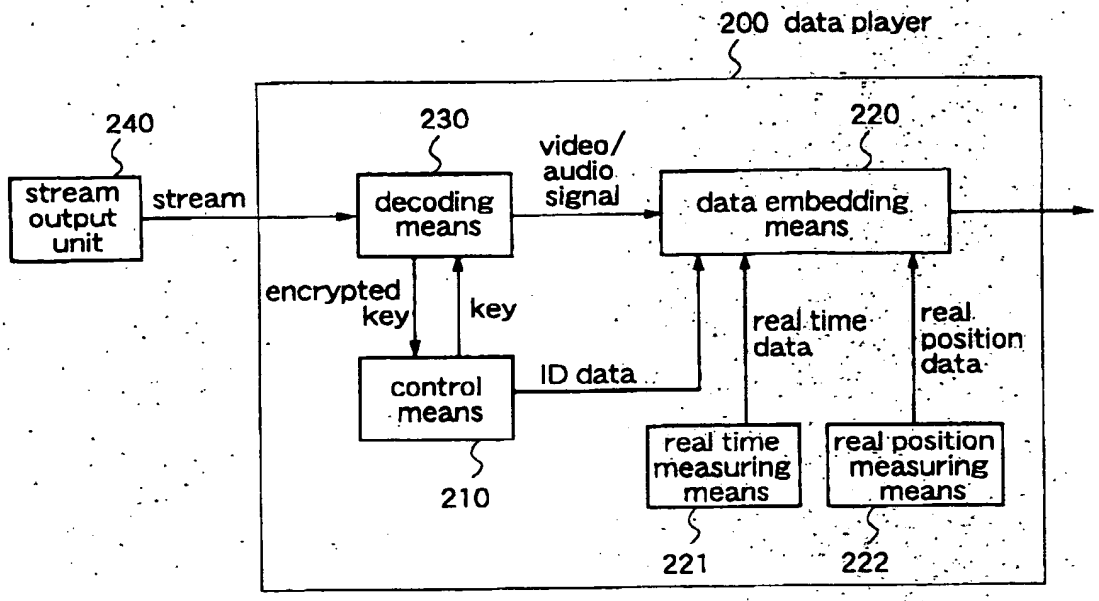
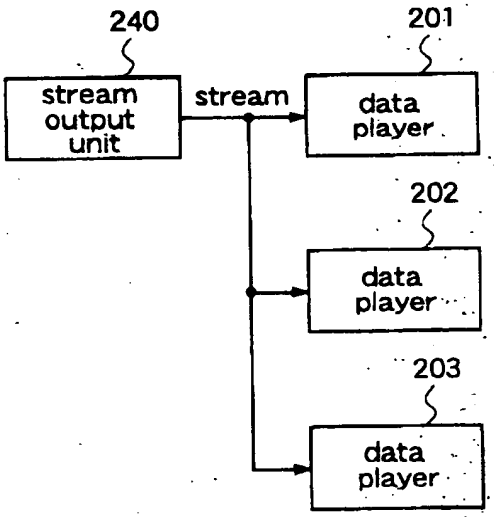


Fig.14



09504783-081800

Fig.15

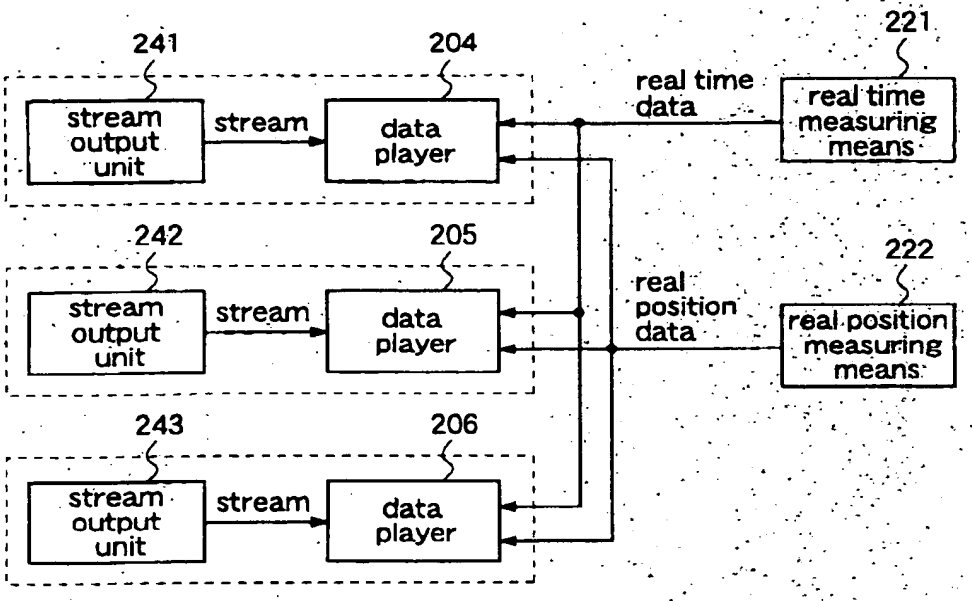
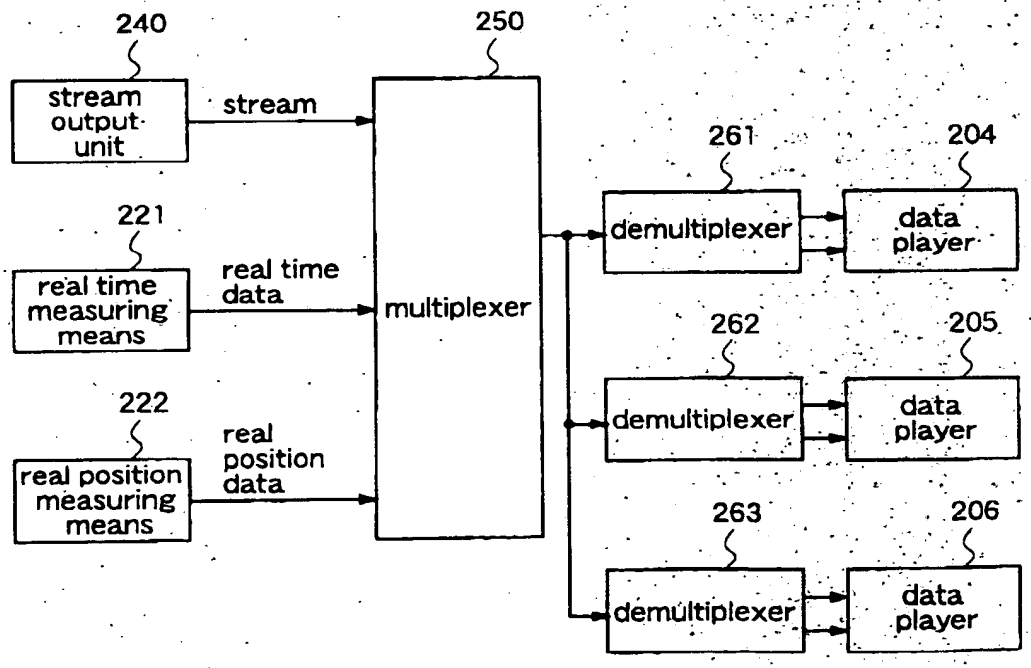


Fig.16



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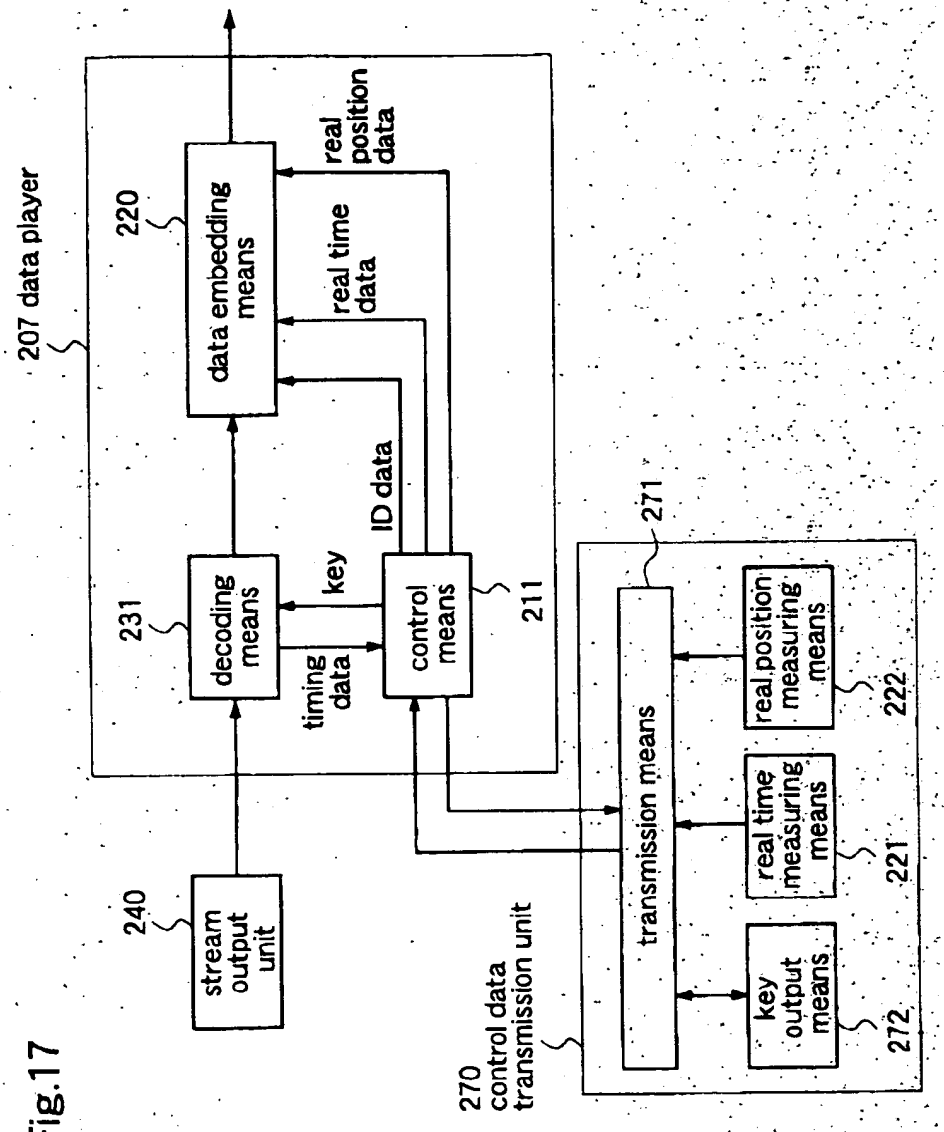

Fig.17

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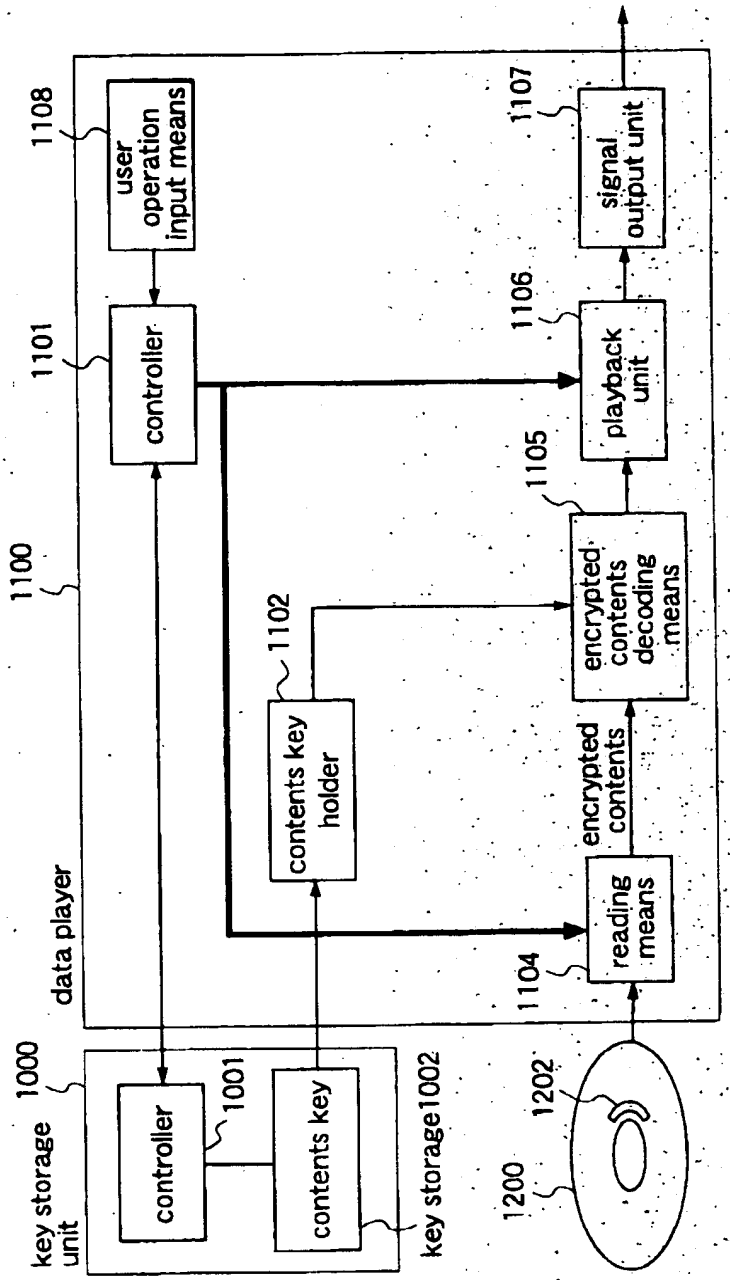

Fig.18 Prior Art